

IN THE CLAIMS:

Please amend the claims as follows:

1. (currently amended) A display device comprising:

a back panel which includes a plurality of cathode lines, a plurality of electron sources which are arranged on the plurality of ~~respective~~ cathode lines, control electrodes which are arranged to face the cathode lines in an opposed manner and controls an emission quantity of electrons from the electron sources, and a back substrate which holds the cathode lines; and

a face panel which includes anodes and fluorescent materials, wherein

the control ~~electrode includes~~ electrodes include a plurality of small apertures which allow electrons emitted from the electron sources to pass therethrough to the face panel side at respective regions which ~~respectively~~ face the each electron source, and each respective electron source is divided into a plurality of small electron sources corresponding to the plurality of respective small apertures provided in each region, and the small electron sources contain boron.

2. (original) A display device according to claim 1, wherein boron is arranged on control-electrode-side surfaces of the small electron sources.

3. (original) A display device according to claim 1, wherein boron is arranged on cathode-line-side surfaces of the small electron sources.

4. (original) A display device according to claim 1, wherein boron is arranged on surfaces of the cathode lines with respect to a plurality of small electron sources in common.

5. (currently amended) A display device according to claim 1, wherein ~~an~~ the area of the a small electron source is set smaller than ~~an~~ the area of the small aperture which corresponds to the small electron source.

6. (currently amended) A display device comprising:
a back panel which includes a plurality of cathode lines, a plurality of electron sources which are arranged on the plurality of ~~respective~~ cathode lines, control electrodes which are arranged to face the cathode lines in an opposed manner and ~~controls~~ control an emission quantity of electrons from the electron sources, and a back substrate which holds the cathode lines; and

a face panel which includes anodes and fluorescent materials, wherein
the control ~~electrode includes~~ electrodes include a plurality of small apertures which allow electrons emitted from the electron sources to pass therethrough to the face panel side at respective regions which respectively face the each electron source, and

each respective electron source is divided into a plurality of small electron sources corresponding to the plurality of respective small apertures provided in each region, and the small electron sources and the control electrodes contain boron.

7. (original) A display device according to claim 6, wherein the control electrodes are made of a metal material.

8. (currently amended) A display device comprising:
a back panel which includes a plurality of cathode lines, a plurality of electron sources which are arranged on the plurality of ~~respective~~ cathode lines, control electrodes which are arranged to face the cathode lines in an opposed manner and

~~controls-control~~ an emission quantity of electrons from the electron sources₁ and a back substrate which holds the cathode lines; and

a face panel which includes anodes and fluorescent materials, wherein the control ~~electrode includes-electrodes include~~ a plurality of small apertures which allow electrons emitted from the electron sources to pass therethrough to the face panel side at respective regions which ~~respectively-face the~~ each electron source and projecting portions which extend to the back substrate side at portions which differ from portions which face the cathode lines,

each electron source is divided into a plurality of small electron sources corresponding to the plurality of respective small apertures provided in each region, and

~~assuming-designating~~ a distance between top faces of the small electron sources and bottom surfaces of the small apertures as "a" and a distance between inner surfaces of projecting portions and a side face of the small electron source closest to the inner surfaces of projecting portions as "b", a relationship $b \geq 2a$ is established.

9. (currently amended) A display device according to claim 8, wherein one ~~ends-end~~ of the projecting portions ~~are-is~~ brought into contact with the back substrate.

10. (currently amended) A fabrication method of a display device which comprises a back panel which includes a plurality of cathode lines, a plurality of electron sources which are arranged on the plurality of ~~respective~~ cathode lines, control electrodes which are arranged to face the cathode lines in an opposed manner and ~~controls-control~~ an emission quantity of electrons from the electron

sources and a back substrate which holds the cathode lines, and a face panel which includes anodes and fluorescent materials; ~~and makes whereby~~ the fluorescent material ~~to emit lights~~ emits light in response to electrons irradiated from the electron sources to ~~perform~~ produce a display, the fabrication method comprising following steps of:

- (i) forming a plurality of cathode lines on a back substrate;
- (ii) forming a plurality of electron sources to each cathode line;
- (iii) adhering boron to respective electron sources by way of masks each of which has a plurality of small openings corresponding to each electron source; and
- (iv) forming portions of each electron source which correspond to the small openings and to which the boron is adhered into small electron sources by heating each electron source.

11. (original) A fabrication method of a display device according to claim 10, wherein the masks are constituted of the control electrodes.

12. (original) A fabrication method of a display device according to claim 10, wherein the electron sources are heated at a temperature of equal to or more than 450°C.